

GEORGE ENGELMANN
BOTANICAL NOTEBOOKS

Pagination Note:
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Kew Aug 1869

1141

Mammillaria stellata Haw. figure in Coll Kew.

is = *M. pusilla*



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M. tenuis = info - cover it etc. is
all the same - (Jubels old plant)
stems a minute

M. formosa is very small seedling
with the white short spines, 2-4
centred on 

Hort Cels, Paris, March 18 1866

1142



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~~Obireby lat. rupis
petiolaris of upper layer
Rapids~~

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~~Op. cornuta~~

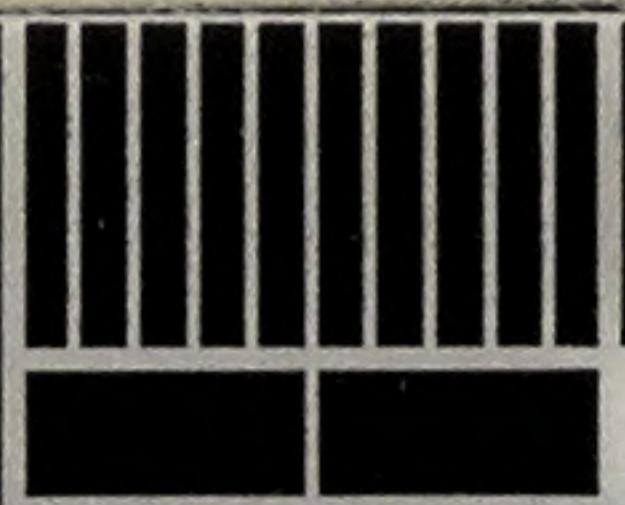
~~Yucca filiformis Gallootti fl. 1
Origine de Gallootti 1 2 met.~~

~~Canalizat. Sem.~~

~~herb.
cana~~

~~Borch's pl. 1 in my copy~~

~~Yucca glauca chrysanthemum
filamentosa (Pfeiff) Moore
1 1/2~~



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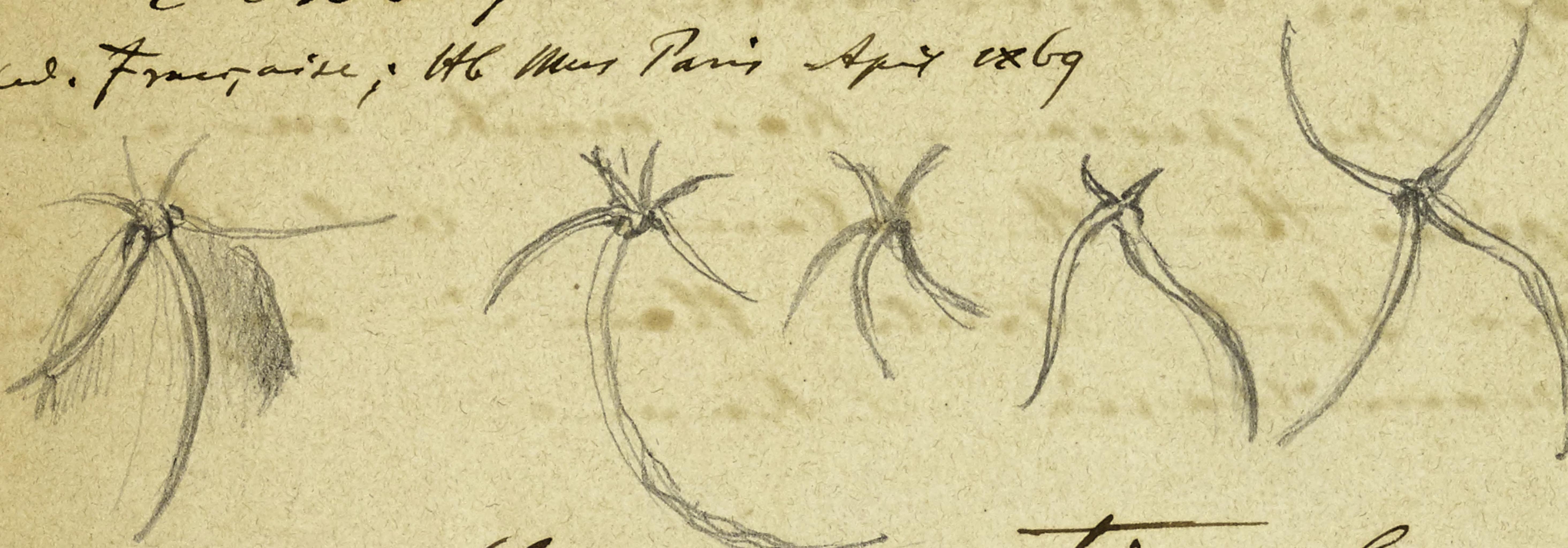
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266 Rochers du Pedregal près San
Angel, Vallée de Mexico
E Baudouin 12 May 1865
E. Baudouin 12 May 1865



Mammillaria arborescens Lam
var of *M. magnimammillaria*
lactescens ?
simplex depresso-globosa
tuberculata - lati ovatis, ^{areolata} & jucundis
dissimile albo lanatis (fere
Echinocacti. ~~strobilum~~ vel Cephalanthae
modo cephalium referentibus)
mox densa datis; areolatis 4-6 robustis
maxime inaequibus 2-3 ^{sub} inferioribus
robustissimis, saepe angulatis, decurvi
curvatis flexuosis, pollicarisibus
vel ultra; superioribus 2-3 multo
minoriibus brevibus, 1143

floribus circa apicem lanosum
ex axillis tuberculorum seniorum longe
albo lanatis ortis purpureis, phyllis
ovatis obtusis crenulatis;
basis (annipioris?) elongatis
subris
semicirculis fuscis ciliatis; rugosus



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Plant 3 inches high (large subterranean stem) 4 inches in diameter; appearance of an *Pachira aquatica* -

The specimen has much more delicate spines than the Calamus, but still all are stout, stouter than in any *Euphorbia* I know.

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47. Cerro de los Baños p'sis Mex 1860

E. Bourgeaud 11 May 1865.

Mammillaria rhodanthe

Expt. Fraga 22

Hb. Mus Paris

Ap 1869

simplex ovata

tuberculis oblongis longioribus, ad axillas
canam furram setasque fuscas gerentibus,
spike obliquopatens radiles 20-25
(in cana densa demum decida) adice-
lares stramineos, inferiores longioris,
centralesque 6 robusti, basi nodosos
(gerentibus pseudobasibas fuscis)
flores coerulei, phyllis acutatis
basis coerulei. demum elongatis

Flowers near the top of the plant,
from the old grotto, just beginning to blossom,
fruit of last year just ripe - 21-1/4 inch
long; with or without the rudiments of
flowers -

Seeds oblong, light brown, rugose -
reticulate.

1144

In another sheet I find specimens which
are a little smaller, spines bright
brownish yellow, central spines 4-7
in one orole, sometimes an 8th central
one in the middle, not different from
the others. Some of the flowers



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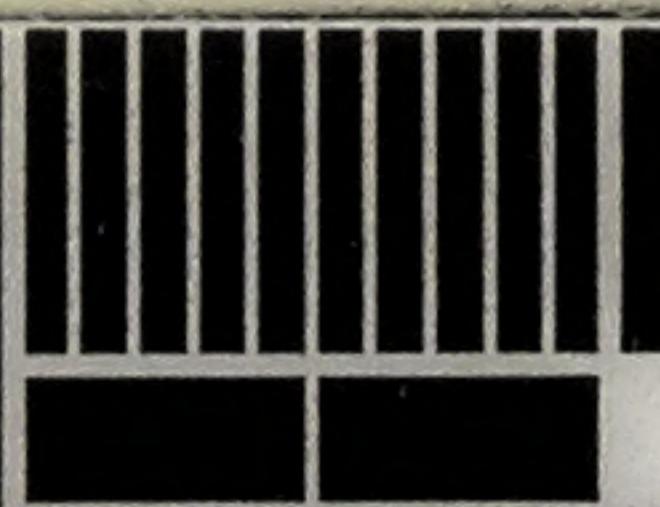


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are separately preserved; they show at base the dense brown long wool and the bristles and are about $\frac{1}{2}$ inch long, with about 12 very acute petals.

Plants 3 inches high, a little less in diameter

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Paris 2/4/69
de Persdorff

Mam. maschulacantha

Calycans -

axillaris longe canosus siliques numerosas
longe exsertas - generaliter

floribus purpureo-roseis

sepaliis per 13 laciniosus cuspis
datis solatis

petalis paleo callosis angustis, per 11-12

lato - distantes

camera ventriformis 3" - long

style super staminibus exerto petalis

ovario, stigmo 5-6 lobatus vernalis

stig - 2 1/2 mm long
flour 20 mm long

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man-blanc sphaerobulbs at Herderoff's
Paris April 2 1869

20 mm long

Flors pellide rosei, phylta media
obscuriora
ex media axilla lanosa, setigena que orti
nde setis radiisque involuta

sepali 13-16 oblongo-lanceolatae obtusae
duplicatae deinde 19 mm longi apice reflexi;
petali lanati-patellati cuspitati sec
apice 1 mm longi per 11-13 mm
camere reactari per vix $\frac{3}{4}$ mm

longe -

style super lanius ex parte petali
sligatis ^{umbellis vel} 6-8 stigmalentibus subente
1 $\frac{1}{4}$ -1 $\frac{1}{2}$ mm longis

a beautiful white plant, almost
white plant, often seen in culture

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Maurandia Baccharis

Herb Afric. & of Paris April 2^o 1859



x 2

axillary and red
paramyxia = pusilla

some wool and capillary brittle
in axil of areoles
flower 15 mm long
15-17 sepals reddish entire or
slightly dentate
about 8 dentate dirty yellow
petals, reddish midrib
dentate, numerous, even emarginate
nectarium cavity $1\frac{1}{2}$ 2 mm long
yellow trigger 3 very short in the
only flower examined

1147



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Marshallia coccinea at Pfeiffer's
Paris April 2 1869

3-6 central spines.

flowers pale rose, abt 10-11 mm long
10-12 sepals ~~long~~ completely entire
as many petals scarcely distinct
ovary cavity $1\frac{1}{2}$ mm long -
stigma yellow, 4-5 mm
8 light green in axils of leaves

1148



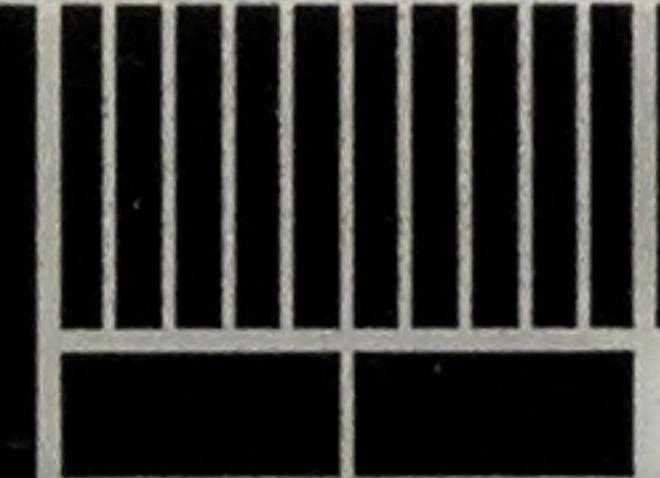
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M. Schiedean

H. Herderoff
Paris 2 Apr 1869

ovary quite free -
surrounded at base by little short wool
and numerous axillary hair like
bristles, only as long as flower
or at least as long as surrounding
main hair

Flor 16^{mm} L. long. White; sepal
with dark red midrib about 10
denticulate, numerous
petals white with yellowish tinge
also about 10 stamens mostly detached
surrounding corolla 1 $\frac{1}{2}$ mm long
4 short yellow stigmas

1149



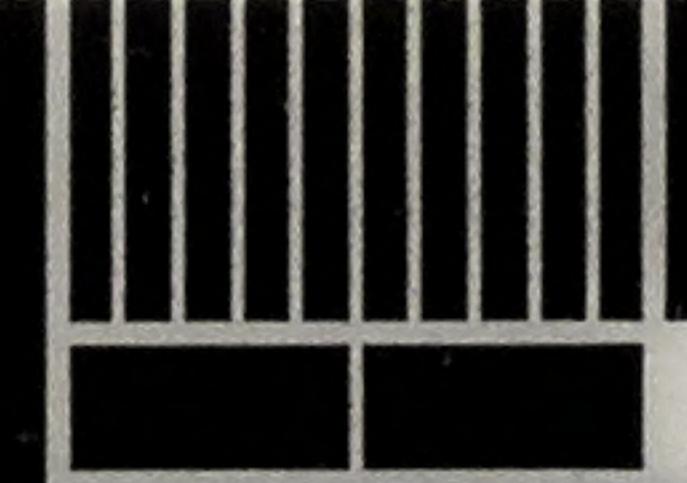
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Manilkara vellata

H. Herdman
Paris. Apr 2 1869

fl. 18 mm long, reddish outside (sepals redish
with yellowish margin, dirty yellowish
inside)

ovary covered by wool, no bristles
13 sepals, lanceolate, margin delicate,
petals 10-12 oblique, delicate, narrow
nectarium cavity less than 1 mm
perhaps only $\frac{1}{2}$ mm - shortest seen,
about 5 short yellow stellate stigmas
not longer than stamens.

1150



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M. parvissima Link
no doubt a form of
M. pusilla

H. Harms Paris
April 2 1869

1151

tubers about 5 mm long
ovary surrounded by little short
wool and few capillary bristles
flowering 11 or 12 mm long dirty
yellowish
about 8 oblique acute - dentate
leaves
about 13 truncate petioles emarginate
dentate at apex.
3 yellow, tiginate
nectar cavity about 1 mm long
staminate part of tibia 2 mm long



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Man. Hawenickii

H. Fenzl

Paris Apr 2 1869

Flower rose, 16-17 mm long,
ovary surrounded by abundant wool
13-15 sepals, oblong, mucronate
almost entire
as many petals, anchy, dentate
nectarini cavity 3 mm long
staminode part of 2½ mm long
5 yellow stigmas

1152



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H. Pers. off Paris April 2
Mam. melanocentra Presl 1869

coats and closely allied to or one of the forms
of *M. Floryderi*.

Flowers rose red, 30 mm long, among the
largest of this section

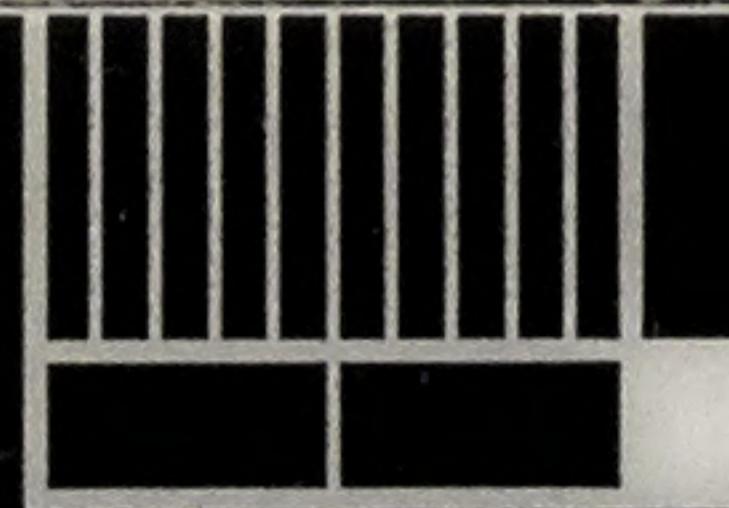
Ovary surrounded by long and loose wool
about 8 lanceolate scales almost entire sepals
about the same number of oblong slightly pubescent
obtuse petals

Nectar cavity 3 mm long (among the largest
in *Ecmanella* I know)

Slender part of the ~~abaxial~~ or ~~anterior~~
style ~~red~~ at base, lighter upward

Stigma 8 mm 3 mm long yellowish
green

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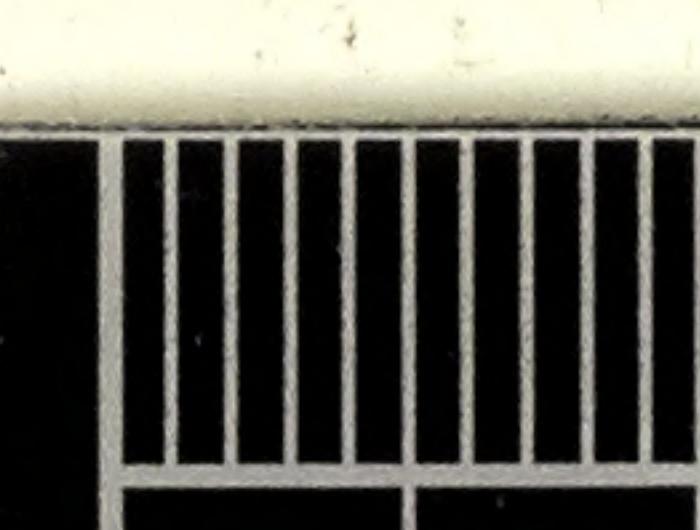
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Maurandarie • *lactescens*

Differ from *lactescens* as reported
in *Jucarrii* pl. nov. for the 87
(Dr. 107) & 115

M. Fischeri Pf. f. S. 118.
M. pallens Schleid. f. S. 115
M. formosa Schleid. f. S. 87
M. Heyderi Meissl.
M. quinquefem Eng.
M. pyxidophala Schleid. f. S. 121
M. univittata Jacq. f. D. Jacq. pl. nov.
M. carneae Jacq.
M. Seitziana Mart. "
M. polyedra Mart. "
M. subpolyedra Schleid. "
M. cervifera Mart. "
M. mystax Mart. "
M. Hystrix Mart. "
M. Karwinskiana Jacq. "
M. Jucarriana Mart. "
M. gladiata Mart. "
M. ornosa Benth. f. de B.
M. magnimamma ^{Hort. Baumg.}
M. polythelae ^(no milk for Jacq. & H. Goblet) "
M. tetragona "
M. ~~fraxinifolia~~ "
M. pentandra "
M. crinacea Benth. f. Benth.
M. Woburnensis Schleid. f. Schleid.
M. glomerata DC. ^{H. Goblet} f. Benth.
M. simplex ^{T. 2014} f. Benth.
M. crinacea Benth.
M. crinosa Benth. f. Benth.
^(ipomoea)

1154

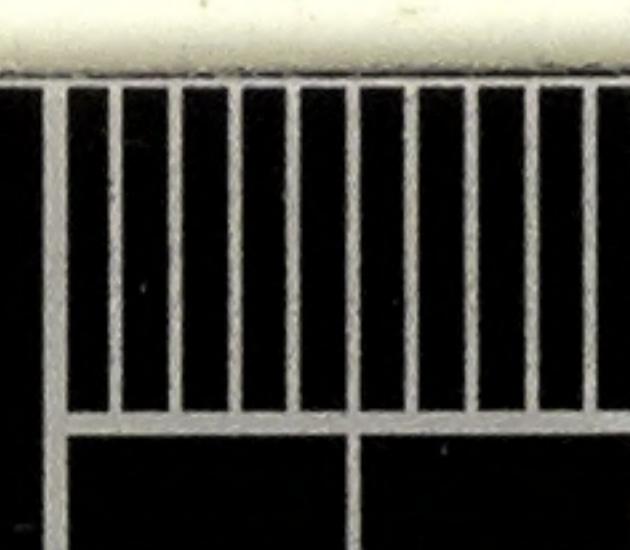


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Mammillaria

I longimammae : fl. large yellow, open in sunshine sp. 782. sp.

II Crinitae ~~of the species~~ : fl. whitish or reddish spines of setaceous c. sp. hooked sp. 3-11

III Heteracanthae simple or proliferous ; r. spines setaceous, c. spines stronger, differently coloured sp. 12 - 58

1. polyacanthae : cylindric sp. 12 - 14
2. leuccephala : globose or cylindric r. spines setaceous covering the plant fl. white s. rose sp. 15 - 27
3. chrysacanthae : globose or cylindric single or divided c. spines reddish or yellow, fl. yellow red sp. 28 - 39.
4. discolorae : globose single or proliferous ; c. spines red or dark straight or hooked fl. red or reddish sp. 40 - 58.

IV Subsetosae : globose or cylindric r. sp. scarce, few c. sp. mostly 4, fl. purple sp. 59 - 63

V Centrispinae : globose, rarely proliferous, all spines same colour, white or brownish sp. 64 - 68

VI. Angulares : globose or cylindric, tubercles angular sp. 69 - 105

1. tetragona : sp. 69 - 81 tubercles, obtuse
2. polyhedrae : tubercles pyramidal fl. red, whitish or yellowish sp. 82 - 92
3. phymatothelae : tub. obtuse, carina tubercula fl. red sp. 93 - 98
4. Macrothelae : tub. at the base angled, contract fl. whitish or red sp. 99 - 105

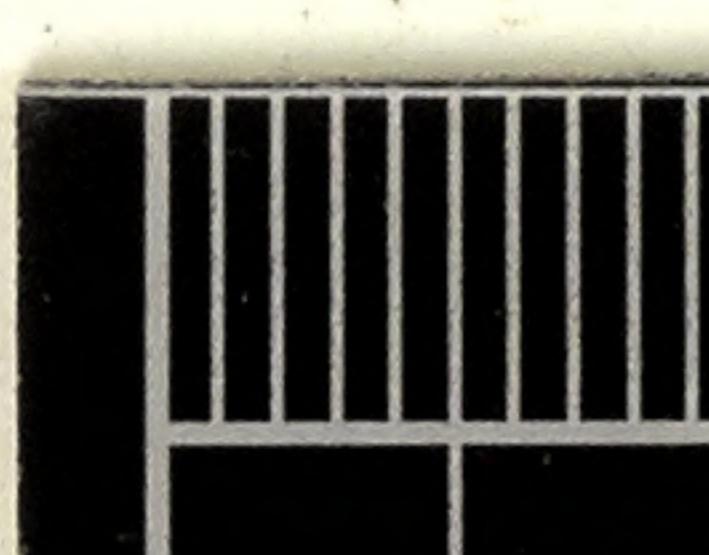
VII Stelligerae : thin cylindric, branching on apicose fl. whitish or yellow, tubercles hemispherical sp. 107 - 112

1. aurei spinae : sp. 107 - 110
2. alli spinae : sp. 111 - 112

1155

VIII Aulacothelae : globose s. cylindric tubercles subulate sp. 113 - 132

1. Glanduliferae : fl. whitish reddish or purple sp. 113 - 123
2. Eglantidiosae : fl. large, yellow or rose sp. 124 - 132



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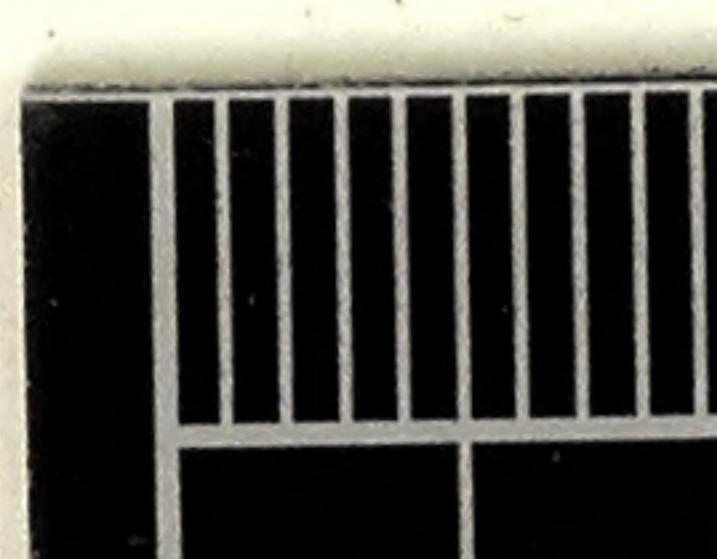
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